

STN SEARCH

10/561,041

11/16/2010

***** STN Columbus *****

FILE 'HOME' ENTERED AT 22:38.05 ON 16 NOV 2010

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS SINCE FILE TOTAL

	ENTRY	SESSION	
FULL ESTIMATED COST	0.22	0.22	

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 22:38.35 ON 16 NOV 2010

65 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> S (perhydrolase or enzyme)

7023 FILE ADISCTI
7107 FILE ADISINSIGHT
2461 FILE ADISNEWS
111869 FILE AGRICOLA
16138 FILE ANABSTR
3862 FILE ANTE
2765 FILE AQUALINE
19662 FILE AQUASCI
74364 FILE BIOENG
950435 FILE BIOSIS
149704 FILE BIOTECHABS
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6306 FILE CIN
7773 FILE CONFSCI
5058 FILE CROPB
4202 FILE CROPU
27259 FILE DDFB
30248 FILE DDFU
942052 FILE DGENE
34612 FILE DISSABS
27259 FILE DRUGB
118 FILE DRUGMONOG2
48428 FILE DRUGU
2970 FILE EMBAL
1332119 FILE EMBASE
239438 FILE ESBIOBASE
101 FILE FOMAD
22042 FILE FROSTI
42669 FILE FSTA
2036464 FILE GENBANK
1677 FILE HEALSAFE
69206 FILE IFIPAT
1303 FILE IMSDRUGNEWS
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1367 FILE KOSMET
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33611 FILE PROMT
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6 FILE PS
 204 FILE RDISCLOSURE
 500242 FILE SCISEARCH
 158 FILE SYNTHLINE
 469417 FILE TOXCENTER
 236456 FILE USGENE
 270417 FILE USPATFULL
 5014 FILE USPATOLD
 52765 FILE USPAT2
 647 FILE VETB
 3500 FILE VETU
 59 FILES SEARCHED...
 3739 FILE WATER
 116515 FILE WPIDS
 116515 FILE WPINDEX
 13316 FILE IPA
 1025 FILE NAPRALERT
 16985 FILE NLDB

65 FILES HAVE ONE OR MORE ANSWERS, 65 FILES SEARCHED IN STNINDEX

L1 QUE (PERHYDROLASE OR ENZYME)

=> d rank

F1 2036464 GENBANK
 F2 1332119 EMBASE
 F3 954766 CAPLUS
 F4 950435 BIOSIS
 F5 942052 DGENE
 F6 804818 MEDLINE
 F7 727171 PASCAL
 F8 500242 SCISEARCH
 F9 469417 TOXCENTER
 F10 335925 BIOTECHNO
 F11 270417 USPATFULL
 F12 239438 ESBIODASE
 F13 236456 USGENE
 F14 235841 LIFESCI
 F15 209242 CABA
 F16 149704 BIOTECHABS
 F17 149704 BIOTECHDS
 F18 116515 WPIDS
 F19 116515 WPINDEX
 F20 111869 AGRICOLA
 F21 74364 BIOENG
 F22 69206 IFIPAT
 F23 52765 USPAT2
 F24 48428 DRUGU
 F25 42669 FSTA
 F26 34612 DISSABS
 F27 33611 PROMT
 F28 31092 CEABA-VTB
 F29 30248 DDFU
 F30 27259 DDFB
 F31 27259 DRUGB
 F32 22042 FROSTI
 F33 19662 AQUASCI
 F34 16985 NLDB
 F35 16138 ANABSTR
 F36 13316 IPA
 F37 10354 PROUSDDR
 F38 7796 NTIS
 F39 7773 CONFSCI
 F40 7107 ADISINSIGHT
 F41 7023 ADISCTI
 F42 6308 CIN
 F43 5058 CROPB
 F44 5014 USPATOLD
 F45 4486 OCEAN
 F46 4202 CROPU
 F47 3862 ANTE
 F48 3739 WATER

F49 3500 VETU
 F50 2970 EMBAL
 F51 2765 AQUALINE
 F52 2674 PCTGEN
 F53 2461 ADISNEWS
 F54 1677 HEALSAFE
 F55 1367 KOSMET
 F56 1303 IMSDRUGNEWS
 F57 1025 NAPRALERT
 F58 996 IMSRESEARCH
 F59 647 VETB
 F60 247 IMSPRODUCT
 F61 204 ROISCLOSURE
 F62 158 SYNTHLINE
 F63 118 DRUGMONOG2
 F64 101 FOMAD
 F65 6 PS

=> file f2-f4, f6-f12

COST IN U.S. DOLLARS	ENTRY	SINCE FILE	TOTAL
FULL ESTIMATED COST	2.07	2.29	

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FILE 'ESBIOBASE' ENTERED AT 22:40:19 ON 16 NOV 2010
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=> s L1
 L2 6584748 L1

=> S (perhydrolysis or hydrolysis) (s) L2
 L3 107187 (PERHYDROLYSIS OR HYDROLYSIS) (S) L2

=> S peracid (s) L3
 L4 70 PERACID (S) L3

=> S ratio and L4
 L5 63 RATIO AND L4

=> S smegmatis and L5
 L6 12 SMEGMATIS AND L5

=> dup rem L6
PROCESSING COMPLETED FOR L6
L7 12 DUP REM L6 (0 DUPLICATES REMOVED)

=> S (amin or boston or bott or cervin or concar or gustwiller or jones or liebeton or miracle or oh or poulose or ramer or scheibel or weyler or whited)/au
L8 214 (AMIN OR BOSTON OR BOTT OR CERVIN OR CONCAR OR GUSTWILLER OR
JONES OR LIEBETON OR MIRACLE OR OH OR POULOSE OR RAMER OR SCHEIB
EL OR WEYLER OR WHITED)/AU

=> S L8 and L7
L9 0 L8 AND L7

=> S L8 and L5
L10 0 L8 AND L5

=> D ibib abs L7 1-12

L7 ANSWER 1 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2010:229203 USPATFULL <<LOGINID::20101116>>
TITLE: Cleaning Enzymes and Malodor Prevention
INVENTOR(S): McAuliffe, Joseph C., Palo Alto, CA, UNITED STATES
Mikkelsen, Jørn Dalgaard, Copenhagen, DENMARK
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES
Soe, Jørn Borch, Tilst, DENMARK

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20100204079	A1	20100812
APPLICATION INFO.:	US 2008-528979	A1	20080227 (12)
	WO 2008-US2682		20080227
			20100413 PCT 371 date

NUMBER	DATE
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PRIORITY INFORMATION:	US 2007-903890P	20070227 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DANISCO US INC., ATTENTION: LEGAL DEPARTMENT, 925 PAGE MILL ROAD, PALO ALTO, CA, 94304, US	
NUMBER OF CLAIMS:	42	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	14 Drawing Page(s)	
LINE COUNT:	2275	

AB The present invention provides compositions comprising an acyltransferase and an alcohol substrate for the acyl-transferase. In some particularly preferred embodiments, the composition finds use in production of a fragrant ester. In some other embodiments, the composition finds use in laundry detergents to clean stains that contain at least one triglyceride. In some further embodiments, the compositions are used to produce compounds with cleaning properties (e.g., a surfactant ester).

L7 ANSWER 2 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2010:213211 USPATFULL <<LOGINID::20101116>>
TITLE: Stable Enzymatic Peroxidase Generating Systems
INVENTOR(S): Barnett, Christopher C., Penfield, NY, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20100189707	A1	20100729
APPLICATION INFO.:	US 2008-593386	A1	20080505 (12)
	WO 2008-US62633		20080505
			20100407 PCT 371 date

NUMBER	DATE
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PRIORITY INFORMATION:	US 2007-917252P	20070510 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DANISCO US INC., ATTENTION: LEGAL DEPARTMENT, 925 PAGE	

MILL ROAD, PALO ALTO, CA, 94304, US

NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 2363

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides stable compositions comprising a perhydrolase enzyme, a hydrogen peroxide source, and an ester substrate that efficiently generate aqueous peracid solutions. The generated peracid solutions are suitable for decontaminating and/or sanitizing a wide range of materials and equipment contaminated with pathogens or toxic chemicals. In one preferred embodiment, the stable composition comprises an acyl transferase enzyme, sodium percarbonate, and propylene glycol diacetate, and is stable for 30 days or longer. Upon addition to water, the composition is activated and generates an aqueous solution with a high ***ratio*** of peracetic acid to acetic acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 3 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2010:170373 USPATFULL <<LOGINID::20101116>>
TITLE: Cleaning Enzymes and Fragrance Production
INVENTOR(S): McAuliffe, Joseph C., Sunnyvale, CA, UNITED STATES
Mikkelsen, Jørn Dalgaard, Copenhagen, DENMARK
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES
Soe, Jørn Borch, Tilst, DENMARK

NUMBER KIND DATE

PATENT INFORMATION: US 20100151542 A1 20100617
APPLICATION INFO.: US 2008-528968 A1 20080227 (12)
WO 2008-US2681 20080227
20100204 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: US 2007-903980P 20070227 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DANISCO US INC., ATTENTION: LEGAL DEPARTMENT, 925 PAGE
MILL ROAD, PALO ALTO, CA, 94304, US

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14 Drawing Page(s)
LINE COUNT: 2175

AB The present invention provides compositions comprising an acyltransferase and an alcohol substrate for the acyl-transferase. In some particularly preferred embodiments, the composition finds use in production of a fragrant ester. In some other embodiments, the composition finds use in laundry detergents to clean stains that contain at least one triglyceride. In some further embodiments, the compositions are used to produce compounds with cleaning properties (e.g., a surfactant ester).

L7 ANSWER 4 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2010:33124 USPATFULL <<LOGINID::20101116>>
TITLE: One-Step Treatment of Textiles
INVENTOR(S): Auterinen, Anna-Liisa, Espoo, FINLAND
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES
Yoon, Mee-Young, Palo Alto, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20100029538 A1 20100204
APPLICATION INFO.: US 2007-225844 A1 20070410 (12)
WO 2007-US8957 20070410
20090922 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: US 2006-60792111 20060414

US 2006-10581014 20060530

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DANISCO US INC., ATTENTION: LEGAL DEPARTMENT, 925 PAGE
MILL ROAD, PALO ALTO, CA, 94304, US

NUMBER OF CLAIMS: 63
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Page(s)
LINE COUNT: 1898

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel compositions and methods for enzymatic one-step pretreatment of cellulosic, cellulosic-containing (e.g., cotton and cotton-containing) and non-cellulosic textiles, fibers and fabrics. Pretreatment comprises scouring and bleaching, and optionally, desizing of the textiles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 12 USPATFULL ON STN
ACCESSION NUMBER: 2009:348007 USPATFULL <<LOGINID::20101116>>
TITLE: ACYL Transferase Useful for Decontamination
INVENTOR(S): Cervin, Marguerite A., Redwood City, CA, UNITED STATES
Whited, Gregg, Belmont, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20090311395 A1 20091217
APPLICATION INFO.: US 2006-85721 A1 20061208 (12)
WO 2006-US47022 20061208
20090304 PCT 371 date
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2007-581014, filed
on 11 Sep 2007, PENDING

NUMBER DATE

PRIORITY INFORMATION: US 2005-748782P 20051209 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DANISCO US INC., ATTENTION: LEGAL DEPARTMENT, 925 PAGE
MILL ROAD, PALO ALTO, CA, 94304, US

NUMBER OF CLAIMS: 58
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 1734

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides an enzyme system that efficiently generates peracetic acid for use in decontamination applications. In preferred embodiments, the present invention provides a system that comprises an ester substrate, a hydrogen peroxide, and at least one acyl transferase. In some particularly preferred embodiments, the system further comprises at least one surfactant. In alternatively preferred embodiments, the present invention provides at least one wild-type and/or variant acyl transferase. The present invention finds particular use in decontamination involving a wide variety of chemical and biological warfare materials, as well as for general surface cleaning and decontamination.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 12 USPATFULL ON STN
ACCESSION NUMBER: 2009:347812 USPATFULL <<LOGINID::20101116>>
TITLE: Perhydrolase for Tooth Whitening
INVENTOR(S): Concar, Edward M., San Francisco, CA, UNITED STATES
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20090311198 A1 20091217
APPLICATION INFO.: US 2007-224535 A1 20070226 (12)
WO 2007-US5017 20070226
20090121 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: US 2006-778999P 20060303 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DANISCO US INC., ATTENTION: LEGAL DEPARTMENT, 925 PAGE
MILL ROAD, PALO ALTO, CA, 94304, US
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 1017
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides compositions and methods for the use of
perhydrolase to whiten teeth.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2009:288166 USPATFULL <<LOGINID::20101116>>
TITLE: Perhydrolase Epitopes
INVENTOR(S): Harding, Fiona A., Santa Clara, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20090258380 A1 20091015
APPLICATION INFO.: US 2006-85739 A1 20061204 (12)
WO 2006-US46203 20061204
20090218 PCT 371 date

NUMBER DATE

PRIORITY INFORMATION: US 2005-742840P 20051206 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Jill A. Jacobson, Genencor International, 925 Page Mill
Road, Palo Alto, CA, 94304-1013, US
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
LINE COUNT: 1984
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides perhydrolase enzyme CD4+ T-cell epitopes,
as well as variants that exhibit reduced immunogenic responses, as
compared to the parental perhydrolase. The present invention further
provides DNA molecules that encode perhydrolase variants, and host cells
comprising DNA encoding perhydrolase variants, as well as methods for
making perhydrolase enzymes less immunogenic. In addition, the present
invention provides various compositions that comprise perhydrolase
variants that are less immunogenic than the wild-type perhydrolase. In
some specific embodiments, the present invention provides perhydrolase
variants with reduced immunogenicity identified and/or characterized
using the methods of the present invention. These enzymes find use in
cleaning and other applications. In some preferred embodiments, the
present invention finds particular use in applications involving
cleaning, bleaching and disinfecting.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2008:334435 USPATFULL <<LOGINID::20101116>>
TITLE: POLYOL OXIDASES
INVENTOR(S): Kumar, Manoj, Fremont, CA, UNITED STATES
Madrid, Susan M., South San Francisco, CA, UNITED
STATES
McDonald, Hugh C., Carlsbad, CA, UNITED STATES
Poulouse, Ayrookaran J., Belmont, CA, UNITED STATES
Rand, Thomas, Bro NDBY, DENMARK
Wang, Huaming, Fremont, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20080293611 A1 20081127
APPLICATION INFO.: US 2007-875788 A1 20071019 (11)

NUMBER	DATE
PRIORITY INFORMATION: DK 2005-1474	20051021
DK 2005-1474	20051021
WO 2006-DK590	20061020
WO 2006-DK591	20061020
US 2006-853227P	20061020 (60)
US 2006-853258P	20061020 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GENENCOR INTERNATIONAL, INC., ATTENTION: LEGAL
DEPARTMENT, 925 PAGE MILL ROAD, PALO ALTO, CA, 94304,
US

NUMBER OF CLAIMS: 28
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 10 Drawing Page(s)
LINE COUNT: 5835
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides compositions and methods for producing a polyol oxidase in microorganisms, and the use of polyol oxidases in cleaning compositions. The invention includes cleaning compositions that contain combinations of two or more POx oxidases, and cleaning compositions that contain combinations of two or more POx oxidases and a perhydrolase. In particular, the invention provides methods for expressing polyol oxidases in bacterial hosts for use in detergent applications for cleaning, bleaching and disinfecting.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2008:166700 USPATFULL <<LOGINID::20101116>>
TITLE: Perhydrolase

INVENTOR(S): Amin, Neelam S., Palo Alto, CA, UNITED STATES
Boston, Matthew G., Dixon, CA, UNITED STATES
Bott, Richard R., Burlingame, CA, UNITED STATES
Cervin, Marguerite A., Redwood City, CA, UNITED STATES
Concar, Edward M., San Francisco, CA, UNITED STATES
Gustwiller, Marc E., Cincinnati, OH, UNITED STATES
Jones, Brain E., Leidchendam, NETHERLANDS
Liebeton, Klaus, Zwingenberg, GERMANY, FEDERAL REPUBLIC OF
Miracle, Gregory S., Hamilton, OH, UNITED STATES
Oh, Hiroshi, Cincinnati, OH, UNITED STATES
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES
Ramer, Sandra W., Sunnyvale, CA, UNITED STATES
Scheibel, Jeffrey J., Loveland, OH, UNITED STATES
Weyler, Walter, San Francisco, CA, UNITED STATES
Whited, Gregory M., Belmont, CA, UNITED STATES

NUMBER	KIND	DATE
PATENT INFORMATION:	US 20080145353	A1 20080619
APPLICATION INFO:	US 2004-581014	A1 20041203 (10)
	WO 2004-US40438	20041203
		20070911 PCT 371 date

NUMBER	DATE
PRIORITY INFORMATION: US 2003-526764P	20031203 (60)
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: Kamrin T MacKnight, Genencor International Inc, 925 Page Mill Road, Palo Alto, CA, 94304-1013, US	

NUMBER OF CLAIMS: 166
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 20851
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides methods and compositions comprising at least one perhydrolase enzyme for cleaning and other applications. In some particularly preferred embodiments, the present invention provides methods and compositions for generation of peracids. The present

invention finds particular use in applications involving cleaning,
bleaching and disinfecting.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2008:33698 USPATFULL <<LOGINID:20101116>>
TITLE: Surface active bleach and dynamic pH
INVENTOR(S): Concar, Edward M., San Francisco, CA, UNITED STATES
Estell, David A., San Francisco, CA, UNITED STATES
Oh, Hiroshi, Cincinnati, OH, UNITED STATES
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20080029130	A1 20080207
APPLICATION INFO.:	US 2007-707307	A1 20070216 (11)

NUMBER	DATE
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PRIORITY INFORMATION:	US 2006-779130P	20060302 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Kamrin T. MacKnight, GENENCOR INTERNATIONAL, INC., 925 PAGE MILL ROAD, Palo Alto, CA, 94304-1013, US	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	2632	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides methods and compositions for dynamic pH control, particularly in detergent applications. In particularly preferred embodiments, the detergent compositions find use in surface removal of soils from fabrics, including clothing. In some particularly preferred embodiments, the present invention provides combinations of enzymes to provide for dynamic pH control.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2007:278588 USPATFULL <<LOGINID:20101116>>
TITLE: Polypeptides with perhydrolase activity
INVENTOR(S): Dubreucq, Eric, Montpellier, FRANCE
Weiss, Albrecht, Langenfeld, GERMANY, FEDERAL REPUBLIC
OF
Moulin, Guy, Montferrier-sur-Lez, FRANCE

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20070244021	A1 20071018
APPLICATION INFO.:	US 2007-709604	A1 20070222 (11)

NUMBER	DATE
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PRIORITY INFORMATION:	EP 2006-3668	20060223
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	COGNIS CORPORATION, PATENT DEPARTMENT, 300 BROOKSIDE AVENUE, AMBLER, PA, 19002, US	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	1746	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to polypeptides having perhydrolase activity with an amino acid sequence which is at least 80% homologous or at least 65% identical to the amino acid sequence shown in SEQ ID No. 3, with the exception of SEQ ID NO. 3. The invention also relates to polypeptides having perhydrolase activity which contain at least one motif which is at least 50% homologous or at least 70% identical to a motif selected from the group consisting of SEQ ID NO. 4: GYSGGxxAxxWAxxxxxYAPE, SEQ ID NO 5: GYSGGxxAxxWAxxxxxYAPD, SEQ ID NO 6: GFSGGxxAxxWAxxxxxYAPE,

SEQ ID NO 7: GFSGGxxAxxWAxxxxxxYAPD, SEQ ID NO 8: GYSGGxxAxxWAxxxxxxYA
and SEQ ID NO 9: GFSGGxxAxxWAxxxxxxYA.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2007:191163 USPATFULL <<LOGINID:20101116>>
TITLE: Enzyme for the production of long chain peracid
INVENTOR(S): Amin, Neelam S., Palo Alto, CA, UNITED STATES
Bott, Richard R., Burlingame, CA, UNITED STATES
Cervin, Marguerite A., Redwood City, CA, UNITED STATES
Poulose, Ayrookaran J., Belmont, CA, UNITED STATES
Weyler, Walter, San Francisco, CA, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 20070167344 A1 20070719
US 7754460 B2 20100713
APPLICATION INFO.: US 2006-595537 A1 20061109 (11)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2003-581014,
PENDING A 371 of International Ser. No. WO
2004-US40438, filed on 3 Dec 2004

NUMBER DATE

PRIORITY INFORMATION: US 2003-526764P 20031203 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KAMRIN T. MACKNIGHT, GENENCOR INTERNATIONAL, INC., 925
MILL ROAD, Palo Alto, CA, 94304-1013, US
NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
LINE COUNT: 2922
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides methods and compositions comprising at
least one perhydrolase enzyme for cleaning and other applications. In
some embodiments, the present invention provides methods and
compositions for generation of long chain peracids. Certain embodiments
of the present invention find particular use in applications involving
cleaning, bleaching and disinfecting.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D his

(FILE 'HOME' ENTERED AT 22:38:05 ON 16 NOV 2010)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 22:38:35 ON 16 NOV 2010
SEA (PERHYDROLASE OR ENZYME)

7023 FILE ADISCTI
7107 FILE ADISINSIGHT
2461 FILE ADISNEWS
111869 FILE AGRICOLA
16138 FILE ANABSTR
3862 FILE ANTE
2765 FILE AQUALINE
19662 FILE AQUASCI
74364 FILE BIOENG
950435 FILE BIOSIS
149704 FILE BIOTECHABS
149704 FILE BIOTECHDS
335925 FILE BIOTECHNO
209242 FILE CABA
954766 FILE CAPLUS
31092 FILE CEABA-VTB
6308 FILE CIN
7773 FILE CONFSCI

5058 FILE CROPB
 4202 FILE CROPU
 27259 FILE DDFB
 30248 FILE DDFU
 942052 FILE DGENE
 34612 FILE DISSABS
 27259 FILE DRUGB
 118 FILE DRUGMONOG2
 48428 FILE DRUGU
 2970 FILE EMBAL
 1332119 FILE EMBASE
 239438 FILE ESSBIOBASE
 101 FILE FOMAD
 22042 FILE FROSTI
 42669 FILE FSTA
 2036464 FILE GENBANK
 1677 FILE HEALSAFE
 69206 FILE IFIPAT
 1303 FILE IMSDRUGNEWS
 247 FILE IMSPRODUCT
 996 FILE IMSRESEARCH
 1367 FILE KOSMET
 235841 FILE LIFESCI
 804818 FILE MEDLINE
 7796 FILE NTIS
 4486 FILE OCEAN
 727171 FILE PASCAL
 2674 FILE PCTGEN
 33611 FILE PROMT
 10354 FILE PROUDDDR
 6 FILE PS
 204 FILE RDISCLOSURE
 500242 FILE SCISEARCH
 158 FILE SYNTHLINE
 469417 FILE TOXCENTER
 236456 FILE USGENE
 270417 FILE USPATFULL
 5014 FILE USPATOLD
 52765 FILE USPAT2
 647 FILE VETB
 3500 FILE VETU
 3739 FILE WATER
 116515 FILE WPIID
 116515 FILE WPIINDEX
 13316 FILE IPA
 1025 FILE NAPRALERT
 16985 FILE NLDB
 L1 QUE (PERHYDROLASE OR ENZYME)

FILE 'EMBASE, CAPLUS, BIOSIS, MEDLINE, PASCAL, SCISEARCH, TOXCENTER,
 BIOTECHNO, USPATFULL, ESSBIOBASE' ENTERED AT 22:40:19 ON 16 NOV 2010

L2 6584748 S L1
 L3 107187 S (PERHYDROLYSIS OR HYDROLYSIS) (S) L2
 L4 70 S PERACID (S) L3
 L5 63 S RATIO AND L4
 L6 12 S SMEGMATIS AND L5
 L7 12 DUP REM L6 (0 DUPLICATES REMOVED)
 L8 214 S (AMIN OR BOSTON OR BOTT OR CERVIN OR CONCAR OR GUSTWILLER OR
 L9 0 S L8 AND L7
 L10 0 S L8 AND L5

==> log Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	93.83	96.12

STN INTERNATIONAL LOGOFF AT 22:43:47 ON 16 NOV 2010